

Heterocycle substituted ketoamide derivatives of Formula (I), wherein the substitutes A, D, A and R are defined as in claim in, which are useful as cathepsin K inhibitors are described herein. The described invention also includes methods of making such heterocycle substituted ketoamide derivatives as well as method of using the same in the manufacture of medicaments for the treatment of disorders, including osteoporosis, associated with an imbalance between bone resorption and formation which can ultimately lead to fracture.